

**GOVERNMENT OF INDIA  
SCIENCE AND TECHNOLOGY  
LOK SABHA**

UNSTARRED QUESTION NO:2761

ANSWERED ON:02.08.2017

Plastic Converted into Petrol

Kumar Shri P.

**Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:**

- (a) whether plastics can be converted into petrol and oil;
- (b) if so, the details thereof;
- (c) whether the Government proposes to introduce new technological innovation in this regard;
- (d) if so, the details thereof;
- (e) whether in foreign countries it is already being converted and if so, the details thereof; and
- (f) the steps taken by the Government in this regard?

**Answer**

MINISTER OF STATE FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES

(SHRI Y. S. CHOWDARY)

(a)&(b) Yes, Madam. Plastic can be converted into petrol, diesel and other hydrocarbons.

(c)&(d) CSIR-Indian Institute of Chemical Technology (IICT), Hyderabad has developed a catalyst that can be used for conversion of waste plastics to fuel oils. CSIR-Indian Institute of Petroleum (IIP), Dehradun in collaboration with GAIL (India) Ltd. has developed a process by which waste polyethylene and polypropylene type plastics can be converted into petrol and diesel. One kilogram of waste polyethylene and polypropylene can be converted to either about 600-650 ml of petrol or 700-750 ml of diesel along with LPG. The process has been developed at the bench scale.

(e) There are certain plants operating in foreign countries which claim to convert waste plastics into plastic oil/fuel oil/diesel.

(f) CSIR laboratories are involved in R&D of converting waste plastics into fuel oil by appropriate processes.

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